PATENTS ONLY	PATENTS ONLY
TO THE DIRECTOR OF THE UNITED S	TATES PATENT AND TRADEMARK OFFICE
Please record the attached of	original document or copy thereof.
Name of Party(ies) conveying an interest:	Name and Address of Party(ies) receiving an interest:
Yang Gao Huan-Yu Su	Name: Conexant Systems, Inc. Internal Address: 4311 Jamboree Road Street Address: P.O. Box C City: Newport Beach State/Zip: California 92660-3095
Additional name(s) of conveying party(ies) at a heeting the second	Additional name(s) and addresses attached?  No
<ol> <li>Description of the interest conveyed:</li> <li>         ☐ Change of Name of</li></ol>	
☐ Security Agreement ☐ Merger	
Execution Date: April 18, 2001 and April 24, 2001	
<ol><li>Application number(s) or patent number(s). Additional s</li></ol>	sheet attached?  Yes  No
If this document is being filed together with a new applic	cation, the execution date of the application is:
A. Patent Application No.(s) 09/781,735	sheet attached?  Yes No cation, the execution date of the application is:  PECEIVED  Date  B. Patent No.(s)  Technology Center 2600
	attached? ☐ Yes ⊠ No
5. Name and address of party to whom correspondence concerning document should be mailed:  BRINKS HOFER GILSON & LIONE P.O. BOX 10395  CHICAGO, IL 60610  (312)321-4200	6. Number of applications and patents involved: one  7. Total fee (37 CFR 3.41) \$40.00  Enclosed  Authorized to be charged to Deposit Account No. 23-1925  8. Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.
DO NOT U	SE THIS SPACE
<ol><li>Statement and signature. To the best of my knowledge and belief, the foregoing ir copy of the original document.</li></ol>	nformation is true and correct and any attached copy is a true
Darin E. Bartholomew Name of Person Signing  Total number of pages yieluding co	May 8, 2000 Date
i otal number of pages including co	ver sheet, attachments, and document: 4

# $\mathbb{C}$ opy

Case No. 10508/16 10932/159 00CXT0667N

# **ASSIGNMENT**

WHEREAS, Yang Gao and Huan-Yu Su, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled SIGNAL PROCESSING SYSTEM FOR FILTERING SPECTRAL CONTENT OF A SIGNAL FOR SPEECH ENCODING, filed February 12, 2001, assigned Application Serial Number 09/781,735, and executed by the Assignors;

WHEREAS, <u>Conexant Systems</u>, <u>Inc.</u>, a corporation organized and existing under the laws of <u>Delaware</u>, having a place of business at <u>Newport Beach</u>, <u>California</u>, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications

that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

and this agreement.
DATED: April 18, 2001 Yang Gao
STATE OF California  ) ss.  COUNTY OF Other County  (County of Other County of
I, <u>Pobert C. Winder</u> , a Notary Public in and for the County and State aforesaid, do hereby certify that Yang Gao, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (x)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.
IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this day of April , 2001.
(SEAL)  Notary Public
My Commission Expires: $3/31/05$

DATED:	April 24, 2001	Huan-Yu Su
STATE OF COUNTY OF	lifornia ) ) ss. Cranze )	ROBERT C. WINDER Commission # 1295950 Notary Public - California \$ Orange County My Comm. Expires Mar 31, 2005
State aforesaid, person whose n person and ack	do hereby certify that Huan-Yu ame is subscribed to the foregoin	, a Notary Public in and for the County and Su, personally known to me to be the same ag instrument, appeared before me this day in sealed and delivered the said instrument as urposes therein set forth.
_24n	N WITNESS WHEREOF, I have day of April, 2001.	e hereunto set my hand and Notarial Seal, this
(SEAL)	2/21/05	Notary Public
My Commission	n Expires: 3/31/oS	

## **DECLARATION FOR PATENT APPLICATION**

As a below named invent eby declare that:

is attached hereto.

amended by any amendment referred to above.

 $\boxtimes$ 

My residence, post office address and citizenship are as stated below next to my name.

and was amended on \_\_\_\_ (if applicable).

was filed on February 12, 2001 as Application Serial No. 09/781,735

Technology Center 2 2 2007 ... I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled, SIGNAL PROCESSING SYSTEM FOR FILTERING SPECTRAL CONTENT OF A SIGNAL FOR SPEECH ENCODING, the specification of which:

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as

I acknowledge the duty to disclorate Regulations, § 1.56(a).	se information wh	ich is mate	rial to the patent	ability as defined	l in Title 3	7, Code	of Federal
I hereby claim foreign priority b inventor's certificate or § 365(a) o States, listed below and have also or PCT International application has	f any PCT Internat identified below, by	ional applic y checking	cation which design the box, any foreign	gnated at least on gn application for	e country of patent or in	her than	the United
Prior Foreign Application(s)					<u>Pri</u>	ority Cla	imed
N/A	_						
(Number) (C	Country)		(Day/Month/Year	Filed)	<del></del>	Yes	No
I hereby claim the benefit under 35	U.S.C. § 119(e) o	fany United	d States provisiona	al application(s) l	isted below:		
60/233,044		September	15, 2000				
(Application Serial No.)		(Filing	Date)				
not disclosed in the prior United St § 112, I acknowledge the duty to d available between the filing date of	lisclose informatior	n which is n	naterial to patental	oility as defined i	n 37 CFR §	1.56 whi	ich became
(Application Serial No.)		(Filing	Date)	(Status-pat	ented, pend	ing, aban	doned)
I hereby declare that all statement belief are believed to be true; and like so made are punishable by fir such willful false statements may jo	further that these s ne or imprisonment	tatements w , or both, u ity of the ap	vere made with the inder Section 100 oplication or any p	knowledge that lof Title 18 of t	willful false he United S	stateme	nts and the
Inventor's Signature Full name of sole or first inventor Residence Citizenship Post Office Address	Yang C Mission China	iao n Viejo, Cal	Gac lifornia Road, Mission Vic	Date ejo, California 92		rd 1	8,2ec/ 

BRINKS HOFER GILSON & LIONE P.O. Box 10395 Chicago, IL 60610 (312) 321-4200

Inventor's Signature Full name of sole or first inventor Residence Citizenship Post Office Address

Huan-Yu Su Date:	April 20, 200)
San Clemente, California	
USA	
3009 Calle Frontera, San Clemente, California 92673-30	29





COMMISSIONER FOR PATENTS UNITED STATES PATENT AND TRADEMARK OFFICE WASHINGTON, D.C. 20231 www.uspto.gov

APPLICATION NUMBER

FILING/RECEIPT DATE

FIRST NAMED APPLICANT

ATTORNEY DOCKET NUMBER

09/781,735

02/12/2001

Yang Gao

10508/16

**CONFIRMATION NO. 7998 FORMALITIES LETTER** OC000000005871791\*

Darin E. Bartholomew **BRINKS HOFER GILSON & LIONE** 1411 S. ALGONQUIN DR. SCHAUMBURG, IL 60193

# Date Mailed: U3/10/202 NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION & TOP TO THE MISSING PARTS OF THE MISSING PART

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given TWO MONTHS from the date of this Notice within which to correct the informalities indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch):

A copy of this notice MUST be returned with the reply.

	CKED: Projenvelore
NOTICE OF MAILING TO PATENT OFFICE	DIARY/COMPUTER  ENTERED ON WORKING CARD
Applicant: Gao et al Serial No: 09/781,735 Client/Matter: 10932/159 Items Mailed: Transmittal Letter (in duplicate); Substitution of Drawings including 8 sheets of formal drawings; Copy of Response to Notice to File Missing Parts previously filed on May 8, 2001; Petition and Fee for Extension of Time (in duplicate); check for \$110; postcard	RENT CASE LIENT/MATTER NO.
Date of Mailing: June 6, 2001  MEMO TO  SEC'Y  INT'L	DBA/SJB ITORNEY/SECRETARY

4.39.53

Case No. /0933/159 Applicant Gas utal

Director of The United States Patent & Trademark Office Washington, D.C. 20231

Serial No:

09/781,735

Transmittal Letter (in duplicate); Substitution of Drawings including 8 sheets of formal drawings; Copy of Response to Notice to File Missing Parts previously filed on May 8, 2001; Petition and Fee for Extension of Time (in duplicate); check for \$110; postcard

**BRINKS HOFER GILSON & LIONE** 

ONE

By: Darin E. Bartholomew

Date of Mailing: June 6, 2001